



OPTICAL PRODUCTS



The Seiscor Optics Department, some of the varied facets of which are shown above, is equipped with custom-built machines, staffed with experienced personnel, and operated under rigid quality control. Some of the products offered are:

CYLINDRICAL LENSES
SPHERICAL LENSES
BEAM SPLITTERS
DIFFUSING SCREENS
OPTICAL SPECIALTY ITEMS
HIGH PRESSURE INSTRUMENT WINDOWS

CONCAVE AND CONVEX SPHERICAL MIRRORS
MINIATURE CYLINDRICAL LENSES
FIRST SURFACE MIRRORS
RETICULES
CUSTOM FABRICATION
TOROIDAL CYLINDRICAL LENSES
CYLINDRICAL DOUBLET

To meet the demands of industry, Seiscor can produce large quantities of optical items, but personnel and equipment are available to manufacture efficiently and economically single prototypes or specialty items in small quantities.

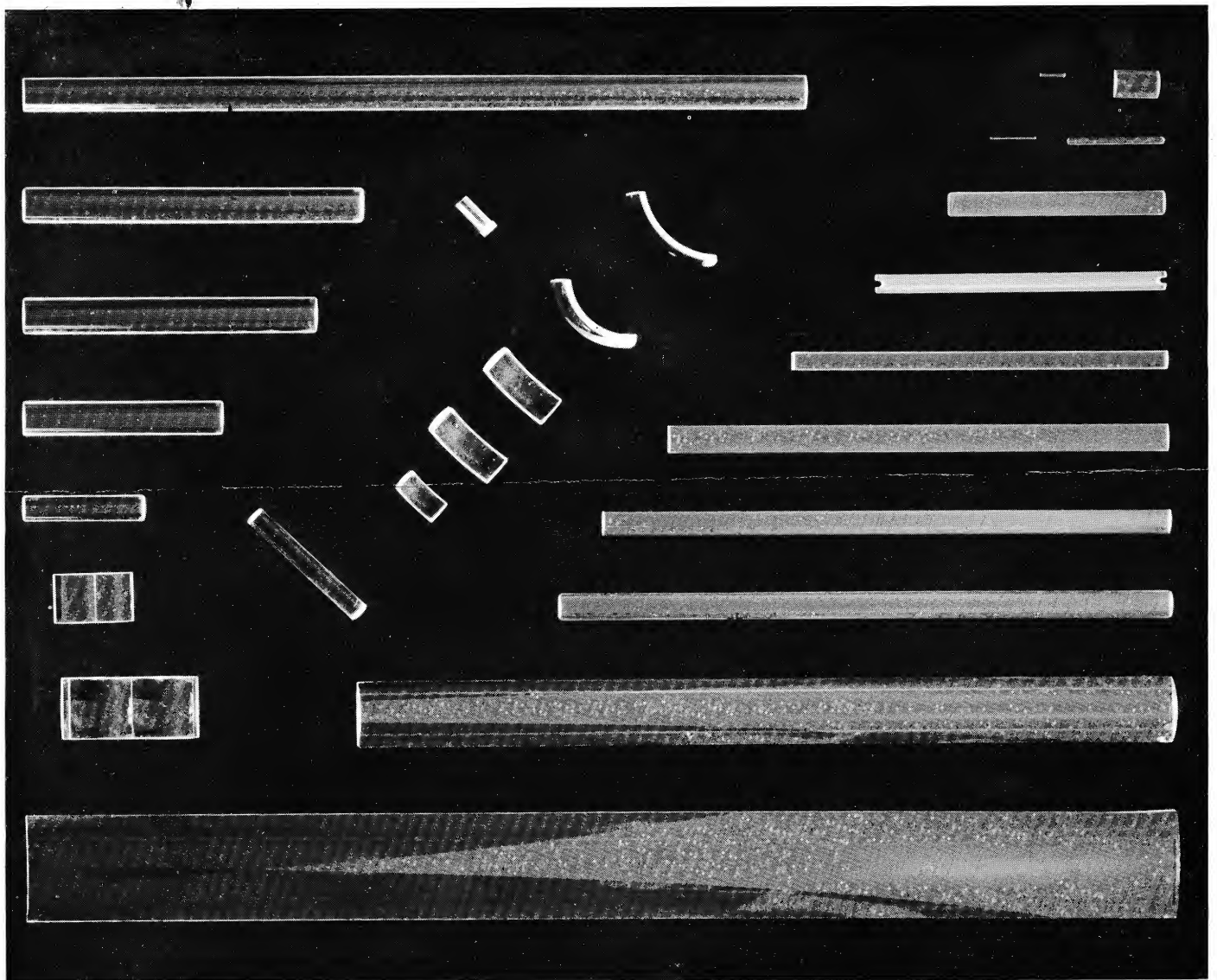
CYLINDRICAL LENSES

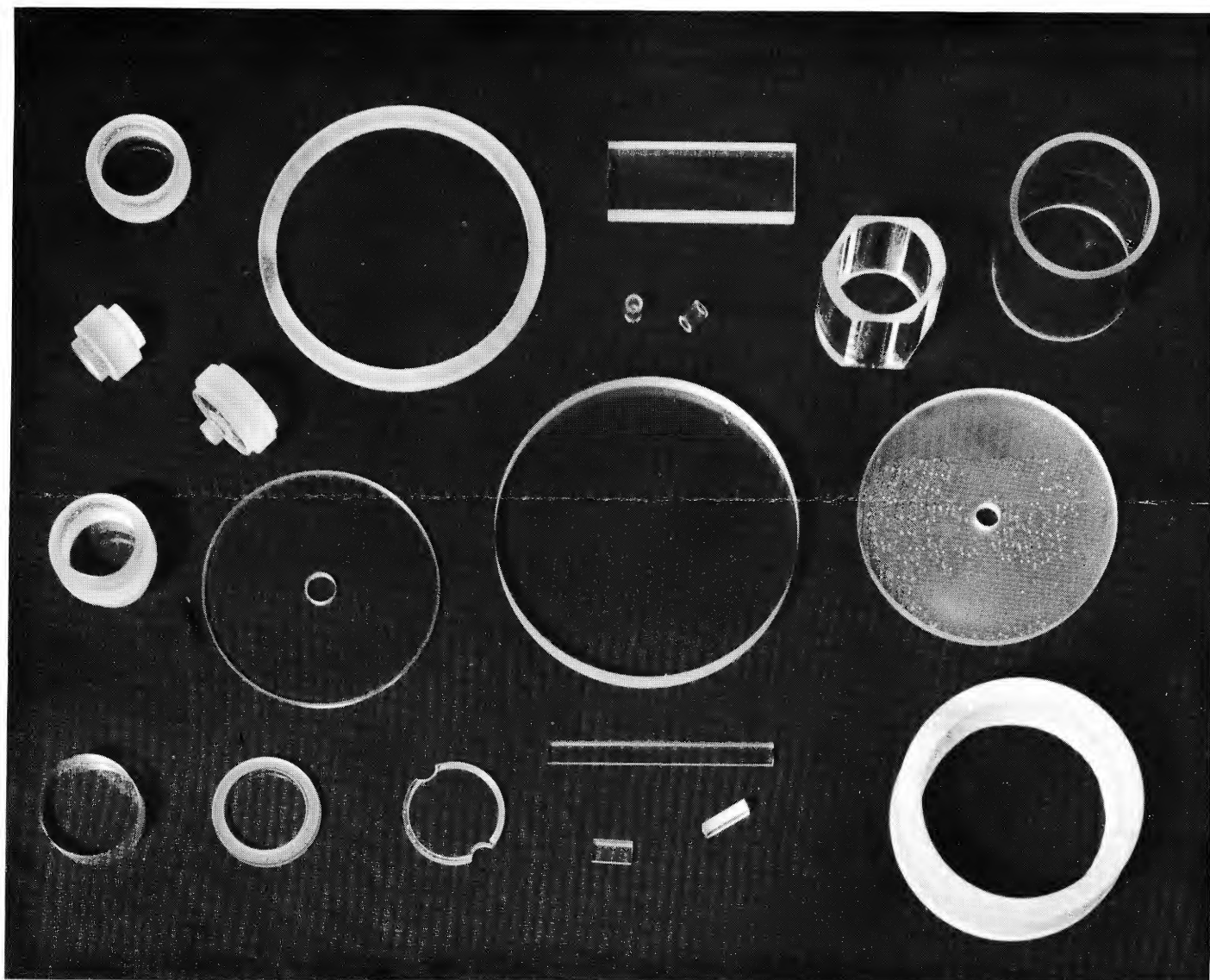
One of the larger operations of the Seiscor Optics Department is the production of cylindrical lenses. This production line is one of the most efficient in the industry and a large inventory of the more commonly specified cylindrical lenses is maintained.

The lenses are ground from optical quality glass, vycor, or fused quartz and are available in physical lengths up to 24 inches, any width and thickness compatible with specified focal

lengths, plano-convex, double convex, or meniscus.

The flexibility of the special lens grinding equipment permits the production of toroidal cylindrical lenses to a wide variety of customers' specifications. Toroidal cylindrical lenses are available in any reasonable length, radius of curvature and angle of arc. The choice of materials is pyrex, optical quality glass, or fused quartz.





OPTICAL SPECIALTIES

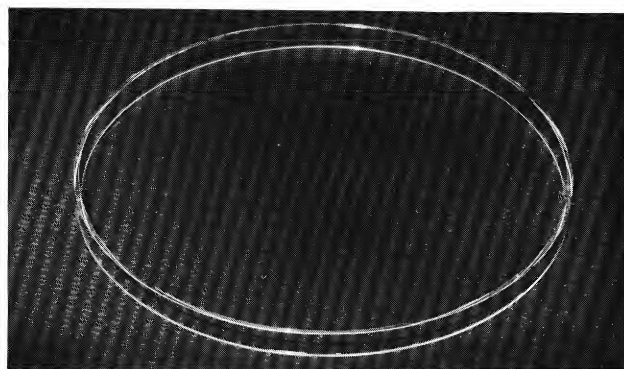
The years of experience in producing optical specialties for internal use has enabled Seiscor to gain sufficient knowledge to manufacture unusual optical items efficiently and economically.

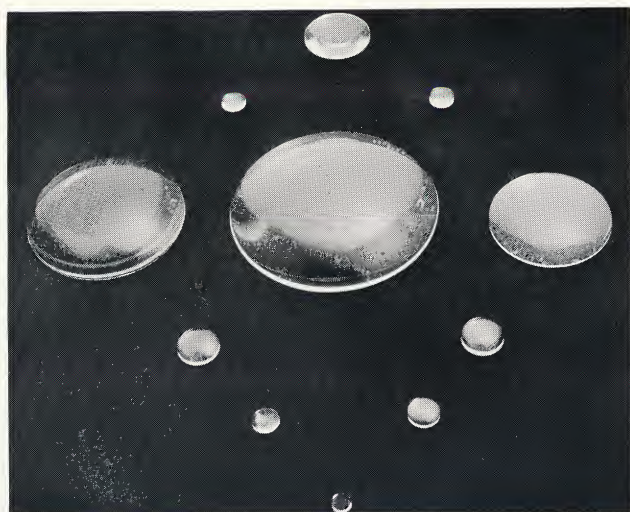
Prompt consideration is given to orders for single prototypes or small quantities of optical specialties.

Some of the more common specialties produced are: pressure cell windows and lenses; precision bore glass tubing; insulating capillaries; and glass diaphragms.

One of the more unusual items produced by the Seiscor Optics Department is a quartz ring.

This ring, manufactured to a customer's specifications, is 12 inches in diameter, $\frac{5}{8}$ of an inch in height, and has a wall thickness of $\frac{1}{8}$ of an inch. All surfaces are polished and a tolerance of ± 0.0005 of an inch was maintained.





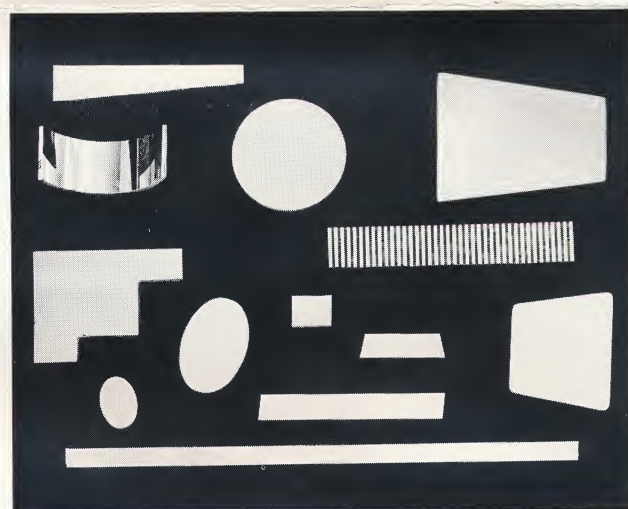
SPHERICAL LENSES

Seiscor spherical lenses are ground from optical quality glass, vycor or quartz to any focal length, diameter, and thickness, plano-convex, double convex or meniscus.

Seiscor maintains a stock of the commonly requested spherical lenses, but any quantity of non-stock items can be produced to meet a customer's requirements.

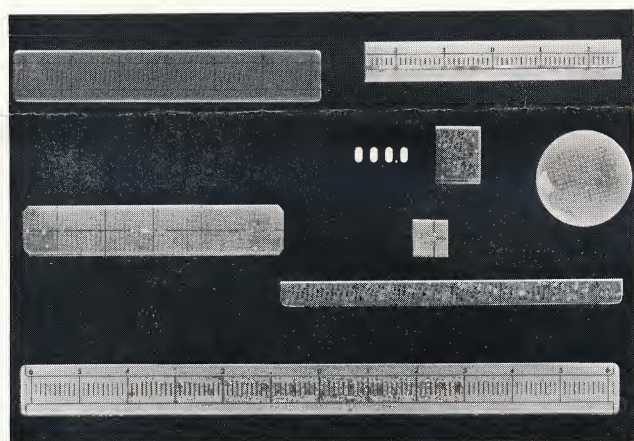
MIRRORS

First surface mirrors in any size up to 14 inches in length and width are produced by Seiscor. These mirrors have an aluminized surface with silicon monoxide protective coatings.



RETICULES

The Seiscor Optics Department produces reticules in all reasonable lengths, diameters and thicknesses. The shop uses special photographic processes for dying and fixing lines on ground glass or plastics. Shape and size of the product is determined by the customers' requirements.



SEISCOR industrial products section

A DIVISION OF
SEISMOGRAPH SERVICE CORPORATION

BOX 1590

TULSA, OKLAHOMA

Harry L. Potts

OPTICS DEPARTMENT



SEISCOR
A DIVISION OF

Seismograph Service Corporation

P. O. BOX 1590
TULSA, OKLAHOMA, U.S.A.

6200 EAST 41ST STREET

NATIONAL 7-3330